

OmniScribe

D5000 Stripchart Recorders

SPECIFICATIONS

Spans	Single or multiple, 1mV through 100V	
Input	Single-ended floating to ± 200 VDC	
Input Resistance	Single range >100 megohm. Multiple range 1 megohm fixed	
Zero	Panel, 10 turn, adjustable to right or left margin, -10 to +110%	
Repeatability (Dead Zone)	> $\pm 0.1\%$	
Non-Linearity	< $\pm 0.2\%$	
Overall Inaccuracy	< $\pm 0.3\%$	
Response	<0.25 second full scale. Independent of line frequency and voltage	
Warm-up	Instant response. Five minutes to rated accuracies	
Integrator (Optional)	6000 count/min. full scale. Overrange integration up to 200% full scale, $\pm 0.1\%$ linearity, $\pm 0.2\%$ accuracy, 10% conventional display, all electronic. See Chromatography Manual Supplement for full specifications	
Chart Drive	Digital with instant response. Independent of line frequency	
Chart Speeds	Rotary switch selection of 17. NOTE: Any recorder may be field adjusted for metric or English grid units	
Noise Rejection	10mV	1mv
DC common mode	>120dB	>120dB
AC common mode	>120dB	>140db
AC normal mode	>160dB	>80dB
	AC rejections at line frequency	
Writing Mechanism	DC potentiometric servo with infinite resolution, non-contacting rebalance element. All solid-state electronics. Overage protection	
Grid Width	10 inches or 25 cm	
Charts	11 inches wide x 100 feet, sprocketless. Also uses metric paper 297mm x 30 m without modification	
Pens	Long-life disposable fiber tip (slow-writing pen available)	
Pen Lift	Manual (electric optional)	
Event Marker	Trace Interrupt (TTL input) standard. Left or right edge mounted (optional).	
Environmental	Operating, 10 to 40°C. Storage, -10 to 60°C	
Physical	17.5 x 12 x 6.25 inch, 24 to 28 lb. (44.5 x 30.5 x 17.2 cm, 11 to 13 kg)	
Power	115/230 VAC $\pm 10\%$ 50-60 Hz. Maximum of 40 or 65 VA for single or dual pen units. Add 10 VA for event marker and electric pen lift	
Accessories Supplied	Two black and two red pens per channel, one roll of appropriate chart paper, tear bar, instruction manuals, supply bulletin, and warranty application	